



SOFTWARE RELEASE NOTES

MCS-MAGNUM

Version 17.22B

02/24/2016

Updates from previous versions: 17.21L

New Features:

1. CENT Firmware Only-Add logic for Virtual Vane % indicator. Add special sensor type #168 "Virtual Vane%" that the comp add % every time the vane open relay is pulsed and subtract a % every time the vane closed ro is pulsed. The % added or subtract is the value in the sensor input offset field used to calibrate the sensor. So adjustment amount is field adjustable without any changes to keypad or mcs-connect. This was add to support comp where vane potentiometer could not be installed.
2. Cent Firmware only - Continued to work on virtual vane % indicator logic. Add logic to adjust the vane % virtual sensor when the vane open/close relay is placed in manual ON.
3. CENT Firmware Only - Continued work on Virtual Vane. Added two new alarms.
4. CENT Firmware Only - Continued work on Virtual Vane Indicator - add not moving alarms if the vane closed switch is made and we have been trying to open the vanes. Also if vanes open swithc is made and we been trying to closed the vanes.
5. CENT Firmware only - changed the count from 15 to 50 on not moving alarm when pulsing open and vane closed switch stays on, or pulsing closed and vane open switch stays on.
6. Add display of RPM to HVAC.

Bug Fixes:

1. Economizer : Economizer stuck at 100% when unloading. Reported by Bret on 01/29/16
2. HVAC: Problem reported by JGW. Need to bypass Rapid Start in Heat pump mode.
3. CENT: Problem reported by John Boutwell . FLA setpoint calculation is incorrect for units with multiple compressors.

Any questions regarding this release, contact:

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4. CENT: VGD% Target calculation (STP 242 value field) for CMP1 was been overwritten by the calculation for CMP2. Example: VGD target for compressor 1 was set to 0/min when CMP1 was ON and CMP2 OFF.

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